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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

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JNANA BHARATHI
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BUB/CTE/2015-16/ Date: 08-04-2015

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Road in AK Colony, Doddabommasandra in Ward No.10}
Ref. : Letter No. Testing/BUB/2015-16, dated 06-04-2015
Sample supplied to lab by : Sri.K.Shankar Reddy, Contractor,
Bangalore
Report required for: Assistant Executive Engineer,
Vidyaranyapura Sub Division,
BBMP, Bangalore

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**96.80**	95-100
26.50	---	-
22.40	**73.50**	60-80
11.20	**44.00**	40-60
4.75	**37.80**	25-40
2.36	**24.00**	15-30
0.600	**19.00**	8-22
0.075	**5.10**	0-8

*As Furnished by Client.
The Results relate only to the items tested.

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8/4/2015
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Date: 08-04-2015

TABLE 1 2 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**22.80%**	Not more than 30 %
2	Impact Value	----,,----	**24.90%**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

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The Results relate only to the items tested.

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BUB/CTE/2015-16/ Date: 12-05-2015

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements to Road in AK Colony, Doddabommasandra in Ward No.10}

Ref. : Letter No. Testing/BUB/2015-16, dated 11-05-2015

Sample supplied to lab by : Sri.K.Shankar Reddy, Contractor,
Bangalore

Report required for: Assistant Executive Engineer,
Vidyaranyapura Sub Division,
BBMP, Bangalore

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.08 %**
2. **Gradation Test** :

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**96.70**	90—100
4.75	**43.00**	35—51
2.36	**30.40**	24—39
1.18	**18.90**	15—30
0.3	**14.20**	09—19
0.075	**5.00**	03—08

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Date: 12-05-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.10%**	Not more than 30 %
2	Impact Value	----,,----	**24.70%**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.38%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**97.40 %**	Minimum retained coating 95.0 **%**

*As Furnished by Client

The Results relate only to the items tested.

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